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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/697,744	10/30/2003	Willi Recktenwald	DE920010027US2 8782		
7590 02/27/2006			EXAM	EXAMINER	
Floyd A. Gonzalez			PHAN, THIEM D		
IBM Corporation P386	on		ART UNIT	PAPER NUMBER	
2455 South Road			3729		
Poughkeepsie, NY 12601			DATE MAILED: 02/27/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/697,744	RECKTENWALD ET AL.				
Office Action Summary	Examiner	Art Unit				
	Tim Phan	3729				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period variety reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	I. lely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for alloware	Responsive to communication(s) filed on 16 December 2005 . This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) ☐ Claim(s) 1 and 2 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1.2 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. 						
Application Papers		\$				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed and all accomposed and all accomposed and accomposed accomposed and accomposed accomposed and accomposed and accomposed accomposed and accomposed and accomposed accomposed and accomposed accomposed and accomposed accomposed accomposed accomposed accomposed accomposed and accomposed accompo	epted or b) objected to by the to discount of the legister of the drawing (s) be held in abeyance. See it on is required if the drawing (s) is object to be it.	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachmont/o)						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date S. Patent and Trademark Office	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate Patent Application (PTO-152)				

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DETAILED ACTION

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1. The amendment filed on 12/16/05 has been fully considered and made of record.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Mowatt et al (US 5,306,670).

As applied to claim 1, Mowatt et al teach a method of fabricating multi-chip integrated circuit module, comprising:

- forming a laminate base structure (Fig. 4, 16) having plated through holes (Fig. 4, 54) for introducing press-fit elements (Fig. 7, 152);
- forming a laminate cover structure formed from organic multilayer thin film packages
 (Fig. 4a, 10' & 10") providing very fine conducting paths (Fig. 4c, 12) and having a top
 mounting plane for mounting chips (Fig. 4a, DIE); and

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• forming a hybrid structure (Fig. 4a, items 16, 10' & 10") comprised of said laminate

surface structure (Fig. 4a, 10') and said laminate cover structure.

As applied to claim 2, Mowatt et al teach a method of fabricating multi-chip integrated

circuit module, comprising:

• forming a laminate base structure (Fig. 4, 16) having plated through holes (Fig. 4, 54) for

introducing press-fit elements (Fig. 7, 152);

• forming a laminate cover structure formed from organic multilayer thin film packages

(Fig. 4a, 10' & 10") providing very fine conducting paths (Fig. 4c, 12) and having a top

mounting plane for mounting chips (Fig. 4a, DIE); and

• forming a sandwich structure (Fig. 4a, items 16, 10' & 10") being comprised of said

laminate surface structure ((Fig. 4a, 10')) and said laminate cover structure, whereby said

structures are subsequently mechanically and electrically conductive connected to each

other through adhesive (Fig. 4a, 26) and plated through holes.

Response to Arguments

4. Applicants' arguments with respect to claims 1 and 2 have been considered but are moot

in view of the new grounds of rejection or objection.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicants' disclosure.

Applicants' amendment necessitated the new grounds of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim Phan whose telephone number is 571-272-4568. The examiner can normally be reached on M - F, 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tim Phan Examiner Art Unit 3729

tp February 23, 2006 A. DEXTER TUGBANG PRIMARY EXAMINER